Reframer
[reframer-apa0]
anode = AnodePlane:apa0
fill = 0
nticks = 6000
tags = list(0):[]
tbin = 125
toffset = 0
PlaneImpactResponse
[PIRfield0plane2]
dft = FftwDFT
field_response = FieldResponse:field0
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield0plane0]
dft = FftwDFT
field_response = FieldResponse:field0
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield0plane1]
dft = FftwDFT
field_response = FieldResponse:field0
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
DepoTransform
[depotransform-apa0]
anode = AnodePlane:apa0
dft = FftwDFT
drift_speed = 0.0016
first_frame_number = 100
fluctuate = True
nsigma = 3
pirs = list(3):[PlaneImpactResponse:PIRfield0plane0,PlaneImpactResponse:PIRfield0plane1,PlaneImpactResponse:PIRfield0plane2]
readout_time = 3062500
rng = Random
start_time = -312500
tick = 500
AddNoise
[addnoise-empericalnoise-apa0]
dft = FftwDFT
model = EmpiricalNoiseModel:empericalnoise-apa0
nsamples = 6000
replacement_percentage = 0.02
rng = Random
EmpiricalNoiseModel
[empericalnoise-apa0]
anode = AnodePlane:apa0
chanstat =
dft = FftwDFT
nsamples = 6000
period = 500
spectra_file = protodune-noise-spectra-v1.json.bz2
wire_length_scale = 10
Digitizer
[digitizer-apa0]
anode = AnodePlane:apa0
baselines = list(3):[1.0034e-06,1.0034e-06,5.077e-07]
frame_tag = orig0
fullscale = list(2):[2e-07,1.6e-06]
gain = 1
resolution = 12
MagnifySink
[magorig0]
anode = AnodePlane:apa0
cmmtree = list(0):[]
frames = list(1):[orig0]
output_filename = protodune-sim-check.root
root_file_mode = UPDATE
trace_has_tag = False
AnodePlane
[apa0]
faces = list(2):[dict(3):[list(3):[,...],],dict(3):[list(3):[,...]]]
ident = 0
nimpacts = 10
wire_schema = WireSchemaFile
Reframer
[reframer-apa1]
anode = AnodePlane:apa1
fill = 0
nticks = 6000
tags = list(0):[]
tbin = 125
toffset = 0
Reframer
[reframer-apa2]
anode = AnodePlane:apa2
fill = 0
nticks = 6000
tags = list(0):[]
tbin = 125
toffset = 0
PlaneImpactResponse
[PIRfield1plane2]
dft = FftwDFT
field_response = FieldResponse:field1
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield1plane0]
dft = FftwDFT
field_response = FieldResponse:field1
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield1plane1]
dft = FftwDFT
field_response = FieldResponse:field1
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
DepoTransform
[depotransform-apa1]
anode = AnodePlane:apa1
dft = FftwDFT
drift_speed = 0.0016
first_frame_number = 100
fluctuate = True
nsigma = 3
pirs = list(3):[PlaneImpactResponse:PIRfield1plane0,PlaneImpactResponse:PIRfield1plane1,PlaneImpactResponse:PIRfield1plane2]
readout_time = 3062500
rng = Random
start_time = -312500
tick = 500
AddNoise
[addnoise-empericalnoise-apa1]
dft = FftwDFT
model = EmpiricalNoiseModel:empericalnoise-apa1
nsamples = 6000
replacement_percentage = 0.02
rng = Random
EmpiricalNoiseModel
[empericalnoise-apa1]
anode = AnodePlane:apa1
chanstat =
dft = FftwDFT
nsamples = 6000
period = 500
spectra_file = protodune-noise-spectra-v1.json.bz2
wire_length_scale = 10
Digitizer
[digitizer-apa1]
anode = AnodePlane:apa1
baselines = list(3):[1.0034e-06,1.0034e-06,5.077e-07]
frame_tag = orig1
fullscale = list(2):[2e-07,1.6e-06]
gain = 1
resolution = 12
MagnifySink
[magorig1]
anode = AnodePlane:apa1
cmmtree = list(0):[]
frames = list(1):[orig1]
output_filename = protodune-sim-check.root
root_file_mode = UPDATE
trace_has_tag = False
AnodePlane
[apa1]
faces = list(2):[dict(3):[list(3):[,...],],dict(3):[list(3):[,...]]]
ident = 1
nimpacts = 10
wire_schema = WireSchemaFile
PlaneImpactResponse
[PIRfield1plane2]
dft = FftwDFT
field_response = FieldResponse:field1
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield1plane0]
dft = FftwDFT
field_response = FieldResponse:field1
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield1plane1]
dft = FftwDFT
field_response = FieldResponse:field1
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
DepoTransform
[depotransform-apa2]
anode = AnodePlane:apa2
dft = FftwDFT
drift_speed = 0.0016
first_frame_number = 100
fluctuate = True
nsigma = 3
pirs = list(3):[PlaneImpactResponse:PIRfield2plane0,PlaneImpactResponse:PIRfield2plane1,PlaneImpactResponse:PIRfield2plane2]
readout_time = 3062500
rng = Random
start_time = -312500
tick = 500
AddNoise
[addnoise-empericalnoise-apa2]
dft = FftwDFT
model = EmpiricalNoiseModel:empericalnoise-apa2
nsamples = 6000
replacement_percentage = 0.02
rng = Random
EmpiricalNoiseModel
[empericalnoise-apa2]
anode = AnodePlane:apa2
chanstat =
dft = FftwDFT
nsamples = 6000
period = 500
spectra_file = protodune-noise-spectra-v1.json.bz2
wire_length_scale = 10
Digitizer
[digitizer-apa2]
anode = AnodePlane:apa2
baselines = list(3):[1.0034e-06,1.0034e-06,5.077e-07]
frame_tag = orig2
fullscale = list(2):[2e-07,1.6e-06]
gain = 1
resolution = 12
MagnifySink
[magorig2]
anode = AnodePlane:apa2
cmmtree = list(0):[]
frames = list(1):[orig2]
output_filename = protodune-sim-check.root
root_file_mode = UPDATE
trace_has_tag = False
AnodePlane
[apa2]
faces = list(2):[dict(3):[list(3):[,...],],dict(3):[list(3):[,...]]]
ident = 2
nimpacts = 10
wire_schema = WireSchemaFile
PlaneImpactResponse
[PIRfield2plane1]
dft = FftwDFT
field_response = FieldResponse:field2
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield2plane2]
dft = FftwDFT
field_response = FieldResponse:field2
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield2plane0]
dft = FftwDFT
field_response = FieldResponse:field2
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
DepoTransform
[depotransform-apa3]
anode = AnodePlane:apa3
dft = FftwDFT
drift_speed = 0.0016
first_frame_number = 100
fluctuate = True
nsigma = 3
pirs = list(3):[PlaneImpactResponse:PIRfield3plane0,PlaneImpactResponse:PIRfield3plane1,PlaneImpactResponse:PIRfield3plane2]
readout_time = 3062500
rng = Random
start_time = -312500
tick = 500
AddNoise
[addnoise-empericalnoise-apa3]
dft = FftwDFT
model = EmpiricalNoiseModel:empericalnoise-apa3
nsamples = 6000
replacement_percentage = 0.02
rng = Random
EmpiricalNoiseModel
[empericalnoise-apa3]
anode = AnodePlane:apa3
chanstat =
dft = FftwDFT
nsamples = 6000
period = 500
spectra_file = protodune-noise-spectra-v1.json.bz2
wire_length_scale = 10
Digitizer
[digitizer-apa3]
anode = AnodePlane:apa3
baselines = list(3):[1.0034e-06,1.0034e-06,5.077e-07]
frame_tag = orig3
fullscale = list(2):[2e-07,1.6e-06]
gain = 1
resolution = 12
MagnifySink
[magorig3]
anode = AnodePlane:apa3
cmmtree = list(0):[]
frames = list(1):[orig3]
output_filename = protodune-sim-check.root
root_file_mode = UPDATE
trace_has_tag = False
AnodePlane
[apa3]
faces = list(2):[dict(3):[list(3):[,...],],dict(3):[list(3):[,...]]]
ident = 3
nimpacts = 10
wire_schema = WireSchemaFile
PlaneImpactResponse
[PIRfield3plane2]
dft = FftwDFT
field_response = FieldResponse:field3
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield3plane1]
dft = FftwDFT
field_response = FieldResponse:field3
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield3plane0]
dft = FftwDFT
field_response = FieldResponse:field3
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
DepoSetFanout
[sn_mag_nf]
multiplicity = 6
tag_rules = list(0):[]
Random
(unnamed)
generator = default
seeds = list(5):[,...]
DepoTransform
[depotransform-apa4]
anode = AnodePlane:apa4
dft = FftwDFT
drift_speed = 0.0016
first_frame_number = 100
fluctuate = True
nsigma = 3
pirs = list(3):[PlaneImpactResponse:PIRfield4plane0,PlaneImpactResponse:PIRfield4plane1,PlaneImpactResponse:PIRfield4plane2]
readout_time = 3062500
rng = Random
start_time = -312500
tick = 500
AddNoise
[addnoise-empericalnoise-apa4]
dft = FftwDFT
model = EmpiricalNoiseModel:empericalnoise-apa4
nsamples = 6000
replacement_percentage = 0.02
rng = Random
EmpiricalNoiseModel
[empericalnoise-apa4]
anode = AnodePlane:apa4
chanstat =
dft = FftwDFT
nsamples = 6000
period = 500
spectra_file = protodune-noise-spectra-v1.json.bz2
wire_length_scale = 10
Digitizer
[digitizer-apa4]
anode = AnodePlane:apa4
baselines = list(3):[1.0034e-06,1.0034e-06,5.077e-07]
frame_tag = orig4
fullscale = list(2):[2e-07,1.6e-06]
gain = 1
resolution = 12
MagnifySink
[magorig4]
anode = AnodePlane:apa4
cmmtree = list(0):[]
frames = list(1):[orig4]
output_filename = protodune-sim-check.root
root_file_mode = UPDATE
trace_has_tag = False
AnodePlane
[apa4]
faces = list(2):[dict(3):[list(3):[,...],],dict(3):[list(3):[,...]]]
ident = 4
nimpacts = 10
wire_schema = WireSchemaFile
PlaneImpactResponse
[PIRfield4plane2]
dft = FftwDFT
field_response = FieldResponse:field4
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield4plane1]
dft = FftwDFT
field_response = FieldResponse:field4
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield4plane0]
dft = FftwDFT
field_response = FieldResponse:field4
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
DepoTransform
[depotransform-apa5]
anode = AnodePlane:apa5
dft = FftwDFT
drift_speed = 0.0016
first_frame_number = 100
fluctuate = True
nsigma = 3
pirs = list(3):[PlaneImpactResponse:PIRfield5plane0,PlaneImpactResponse:PIRfield5plane1,PlaneImpactResponse:PIRfield5plane2]
readout_time = 3062500
rng = Random
start_time = -312500
tick = 500
AddNoise
[addnoise-empericalnoise-apa5]
dft = FftwDFT
model = EmpiricalNoiseModel:empericalnoise-apa5
nsamples = 6000
replacement_percentage = 0.02
rng = Random
EmpiricalNoiseModel
[empericalnoise-apa5]
anode = AnodePlane:apa5
chanstat =
dft = FftwDFT
nsamples = 6000
period = 500
spectra_file = protodune-noise-spectra-v1.json.bz2
wire_length_scale = 10
Digitizer
[digitizer-apa5]
anode = AnodePlane:apa5
baselines = list(3):[1.0034e-06,1.0034e-06,5.077e-07]
frame_tag = orig5
fullscale = list(2):[2e-07,1.6e-06]
gain = 1
resolution = 12
MagnifySink
[magorig5]
anode = AnodePlane:apa5
cmmtree = list(0):[]
frames = list(1):[orig5]
output_filename = protodune-sim-check.root
root_file_mode = UPDATE
trace_has_tag = False
AnodePlane
[apa5]
faces = list(2):[dict(3):[list(3):[,...],],dict(3):[list(3):[,...]]]
ident = 5
nimpacts = 10
wire_schema = WireSchemaFile
PlaneImpactResponse
[PIRfield5plane2]
dft = FftwDFT
field_response = FieldResponse:field5
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 2
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield5plane0]
dft = FftwDFT
field_response = FieldResponse:field5
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 0
short_responses = list(1):[ColdElecResponse]
tick = 500
PlaneImpactResponse
[PIRfield5plane1]
dft = FftwDFT
field_response = FieldResponse:field5
long_padding = 1500000
long_responses = list(1):[RCResponse]
nticks = 6125
overall_short_padding = 100000
plane = 1
short_responses = list(1):[ColdElecResponse]
tick = 500
FrameFanin
[sn_mag_nf]
multiplicity = 6
tags = list(6):[,...]
DumpFrames
(unnamed)
FftwDFT
(unnamed)
TrackDepos
[trackdepos]
step_size = 1
tracks = list(1):[dict(3):[list(3):[,...]]]
Drifter
(unnamed)
DL = 7.2e-07
DT = 1.2e-06
ar39activity = 1.6021764870000004e-34
density = 866945689985023258432
drift_speed = 0.0016
fluctuate = True
lifetime = 8000000
rng = Random
time_offset = 0
xregions = list(4):[,...]
DepoBagger
[bagger]
gate = list(2):[-312500,2750000]