

Status of PFA Template

Two Versions currently under test

Version 1

Mip Finding

Track/Cal Cluster Matching

Photon Finding (2 different photon finders)

Neutral Hadron Finding

Some results from this method for SiD01

Version 2

Mip Finding

HMatrix Photon Finding (photon cluster candidate $E > \sim 1$ GeV

high purity photons

HMatrix rejection

Track/Cal Cluster Matching

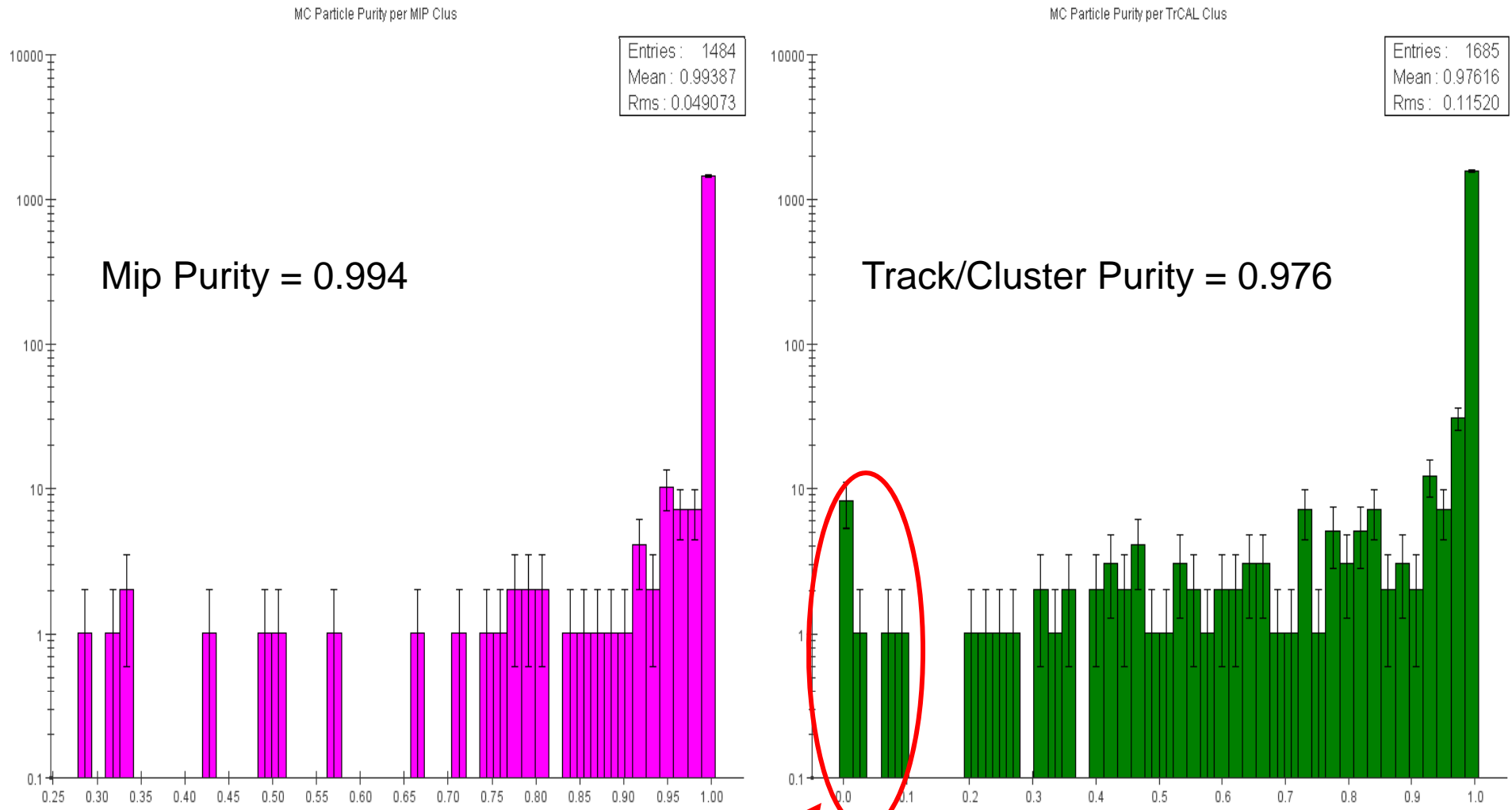
Maintains high purity

Low Energy Photon Finding

Restore photon efficiency

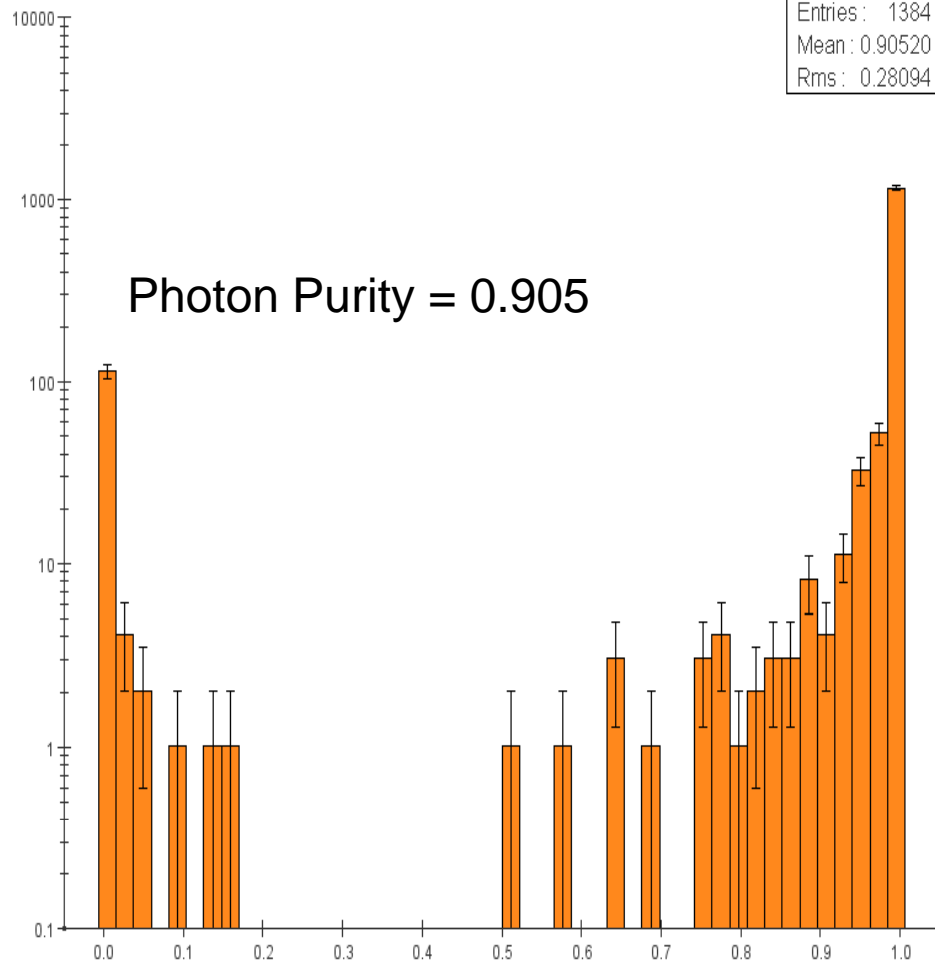
Neutral Hadron Finding

Mip Purity and Track/Cluster Purity



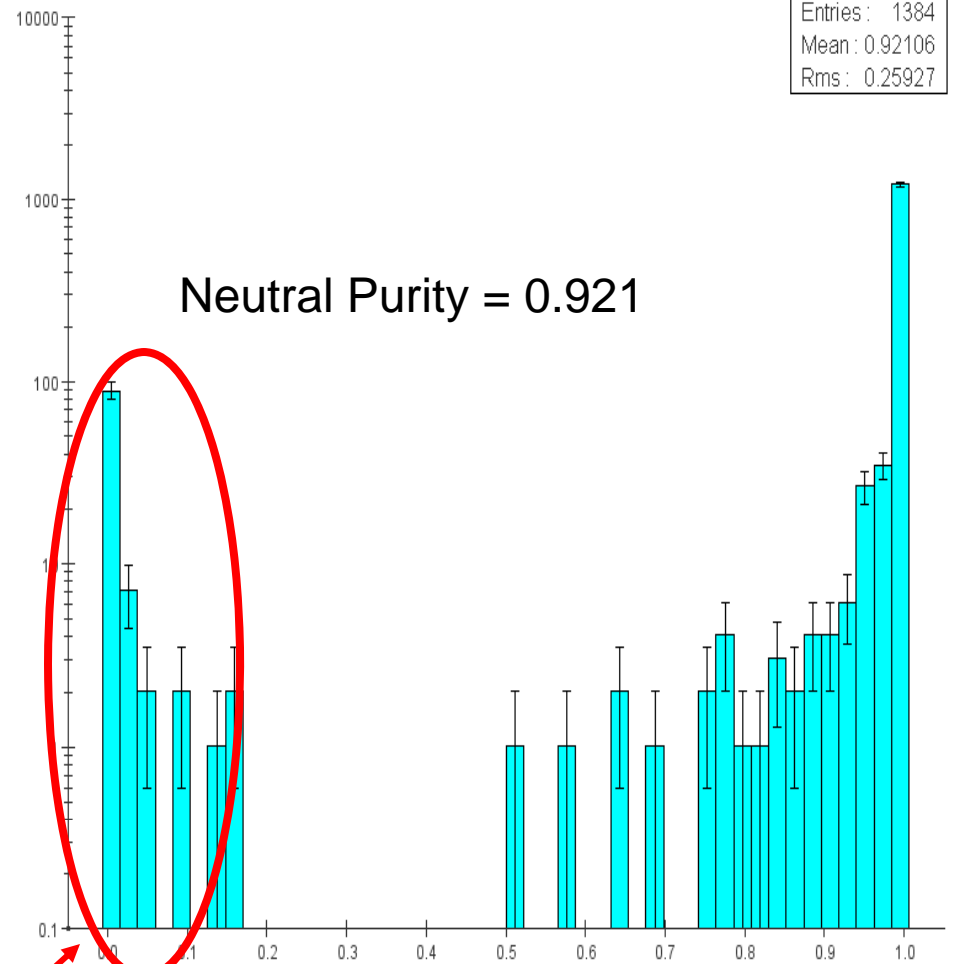
MC Particle Purity per Photon Clus

Entries: 1384
Mean: 0.90520
Rms: 0.28094



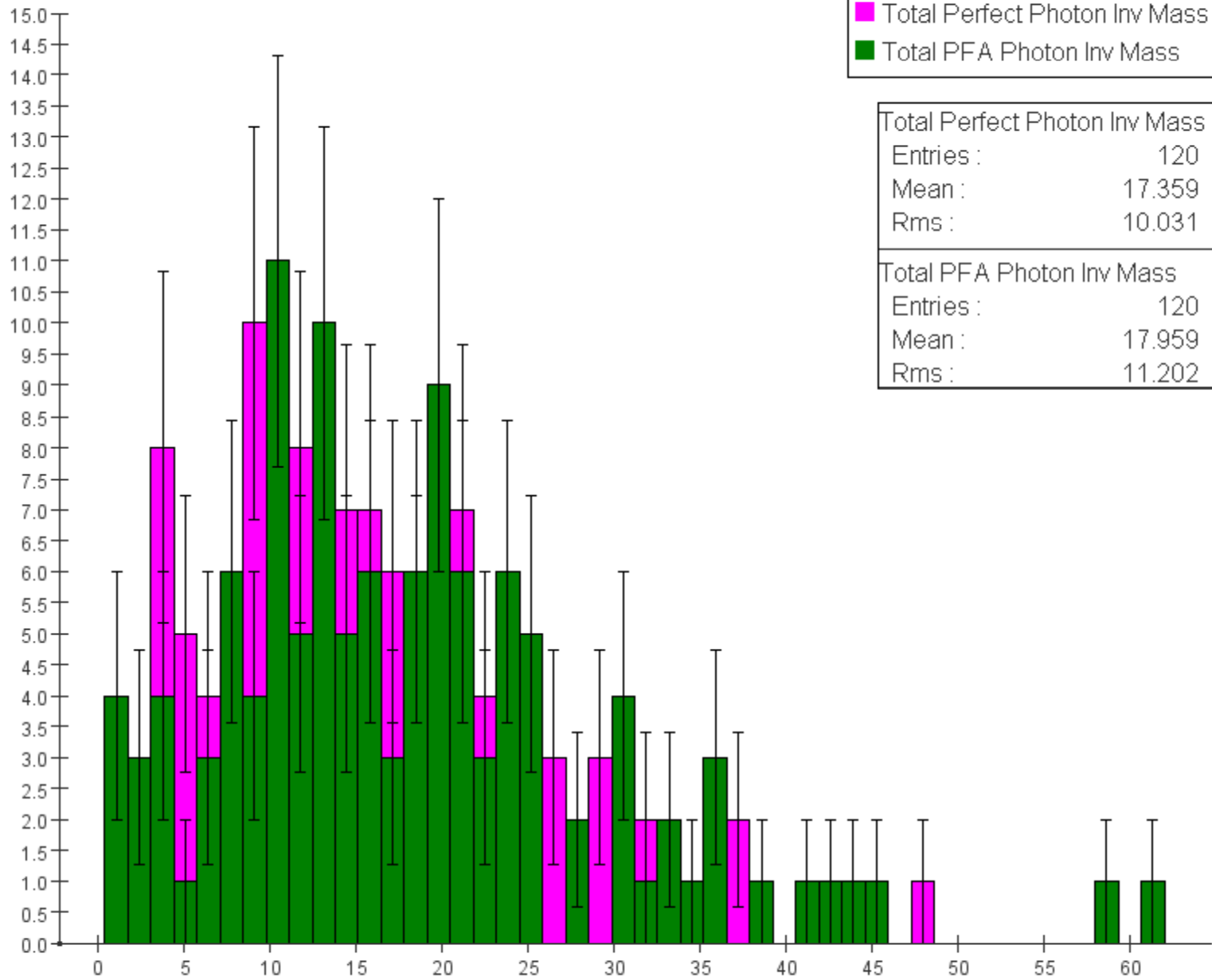
MC Particle Purity per Neutral Clus

Entries: 1384
Mean: 0.92106
Rms: 0.25927



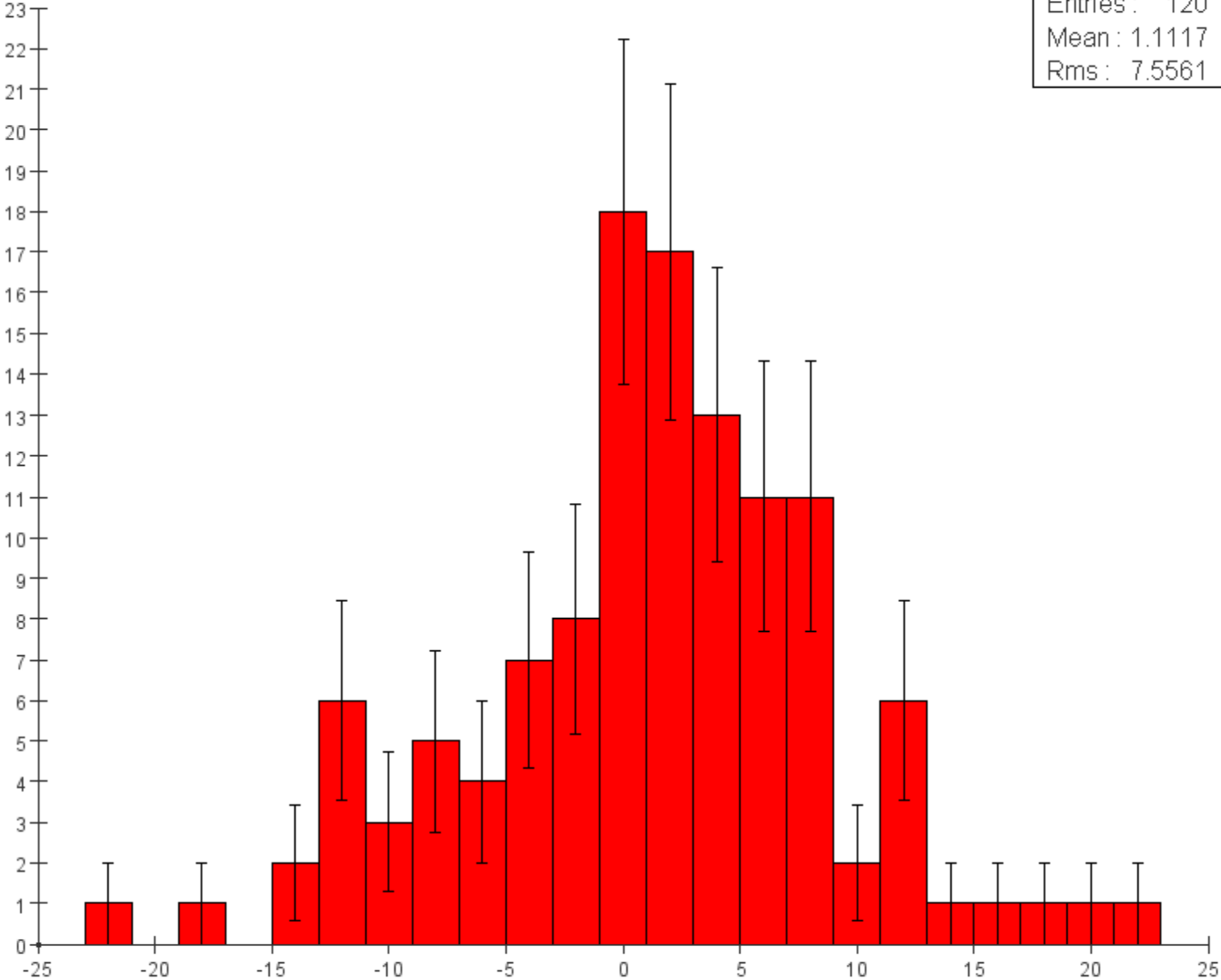
Still remains – charged fragments

aida21350.aida



Difference PFAPhoNeuE PerfPhoNeuE

Entries: 120
Mean: 1.1117
Rms: 7.5561



AllRecoParticle Mass

Entries : 1441
Mean : 2.1234
Rms : 7.0592

