

Athena and New ntuple

- Athena status

- current release 6.3.0
- next release 6.4.0 (July 8th)

- New (final) ntuple structure

(contents)	(block)
- Timing information	h101/h201
- New Beam Chamber information	h101/h201
- New Run header information (properties)	h1000/h2000

- Repository (temporary)

/net/rd5/scratch/atlas_tb/tmp/root ← new format
/net/rd5/scratch/atlas_tb/root ← old format

HV correction

(1) Cell level correction

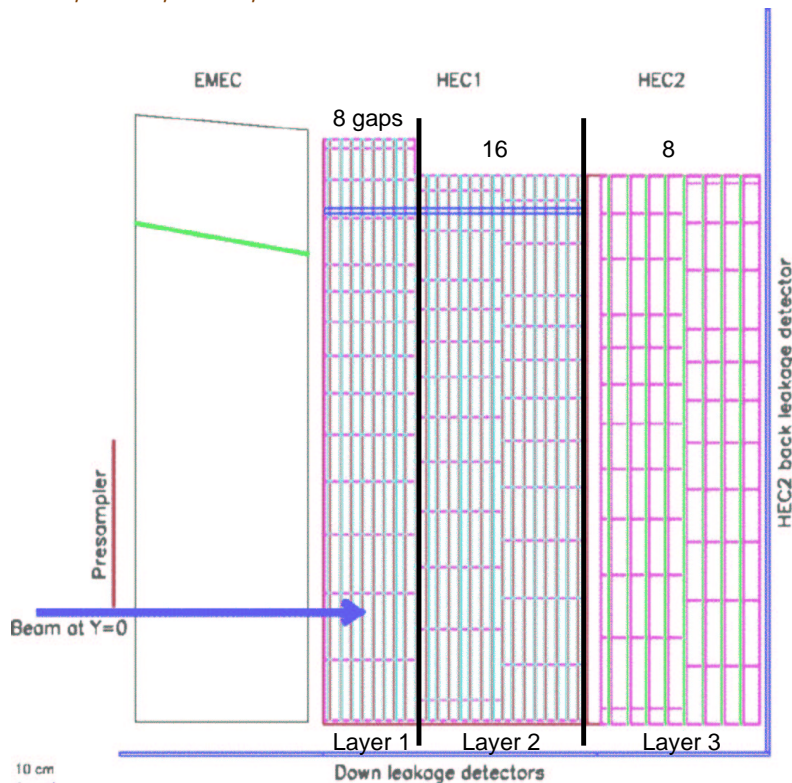
HV disconnection to

EST2 in HEC1 Layer2 Module2

(> run13061)

Correction factor = 4/3 for

10, 14, 26, 30, 42, 46, 58, 62, 138, 142,
154, 158, 170, 174, 186, 190, 266, 270, 282,
286, 294, 302, 310



(2) Module level correction

- HEC1 Layer1 Module3

$$E_{\text{obs}}/E_{\text{exp}} = 9.37790 * 10^{-1} - 1.94492 * 10^{-3} * R - 2.95346 * 10^{-3} * R^2 - 2.40361 * 10^{-2} * R^3$$

$$R = (E_{\text{emec}} - E_{\text{hec12}}) / (E_{\text{emec}} + E_{\text{hec12}})$$

- HEC1 Layer2 Module2

$$E_{\text{obs}}/E_{\text{exp}} = 9.27832 * 10^{-1} - 1.77050 * 10^{-2} * R - 5.97399 * 10^{-2} * R^3$$

$$R = (E_{\text{hec11}} - E_{\text{hec21}}) / (E_{\text{hec11}} + E_{\text{hec21}})$$

