

Calorimetry

new version of GEANT 4

Pion 10 GeV in HCAL

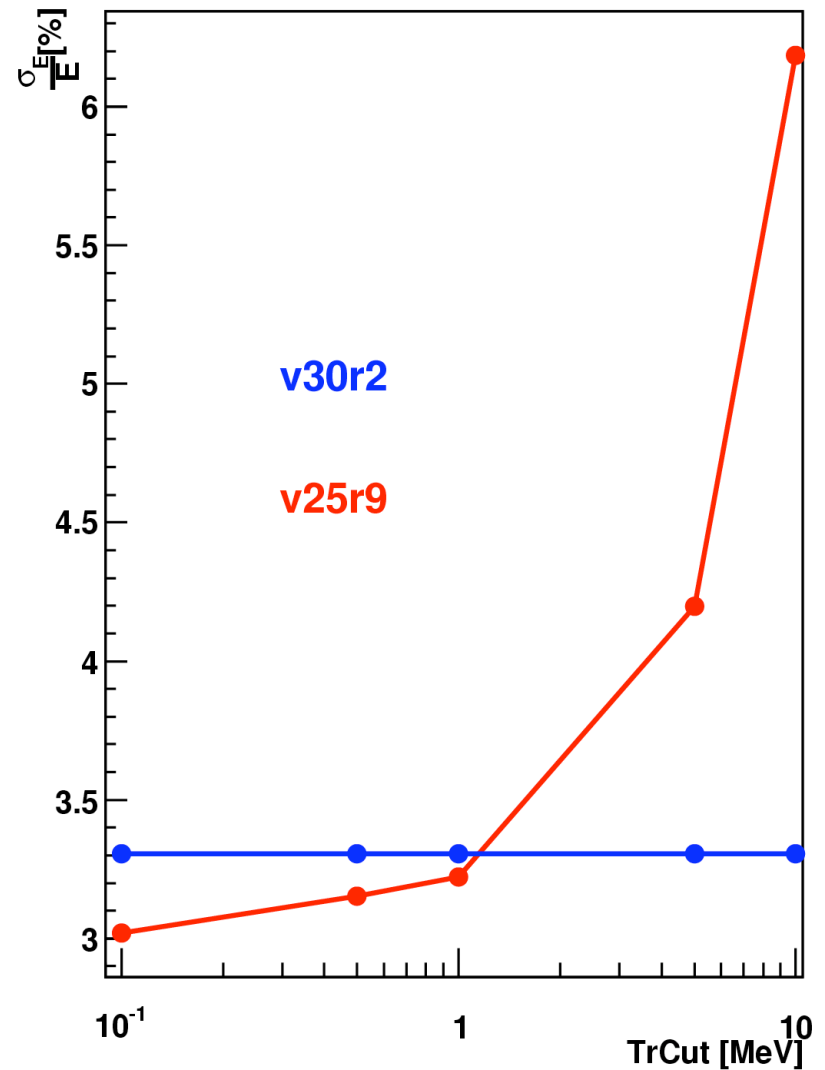
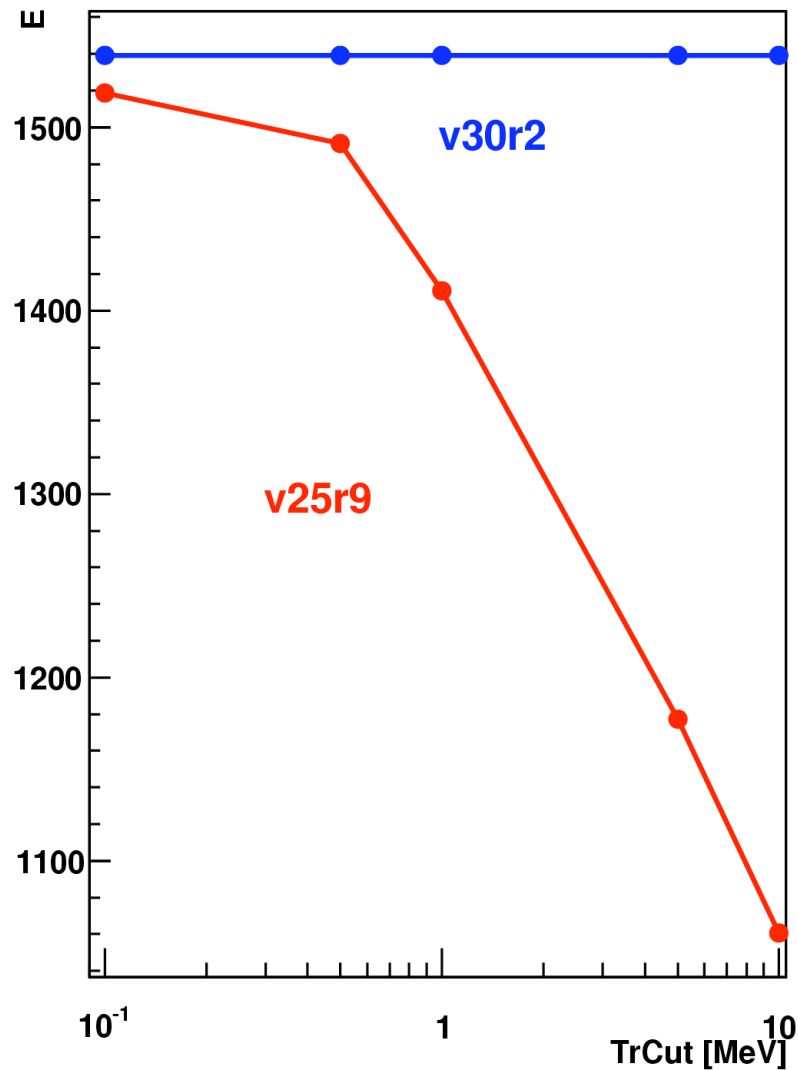
<i>EMPhysics</i>	<i>Time per event</i>	<i>Average energy</i>	$\sigma(E)/E$ [%]
<i>Gauss v25r9 EMPhysics</i>	0.213 ± 0.045	<i>212</i>	<i>24.6</i>
<i>Gauss v30r2 EMStandartPhysics71</i>	0.719 ± 0.183	<i>235</i>	<i>22.8</i>
<i>Gauss v30r2 EMStandartPhysics72</i>	0.980 ± 0.290	<i>235</i>	<i>23.4</i>
<i>Gauss v30r2 EMStandartPhysics</i>	0.876 ± 0.252	<i>238</i>	<i>21.6</i>

Electron 10 GeV in ECAL

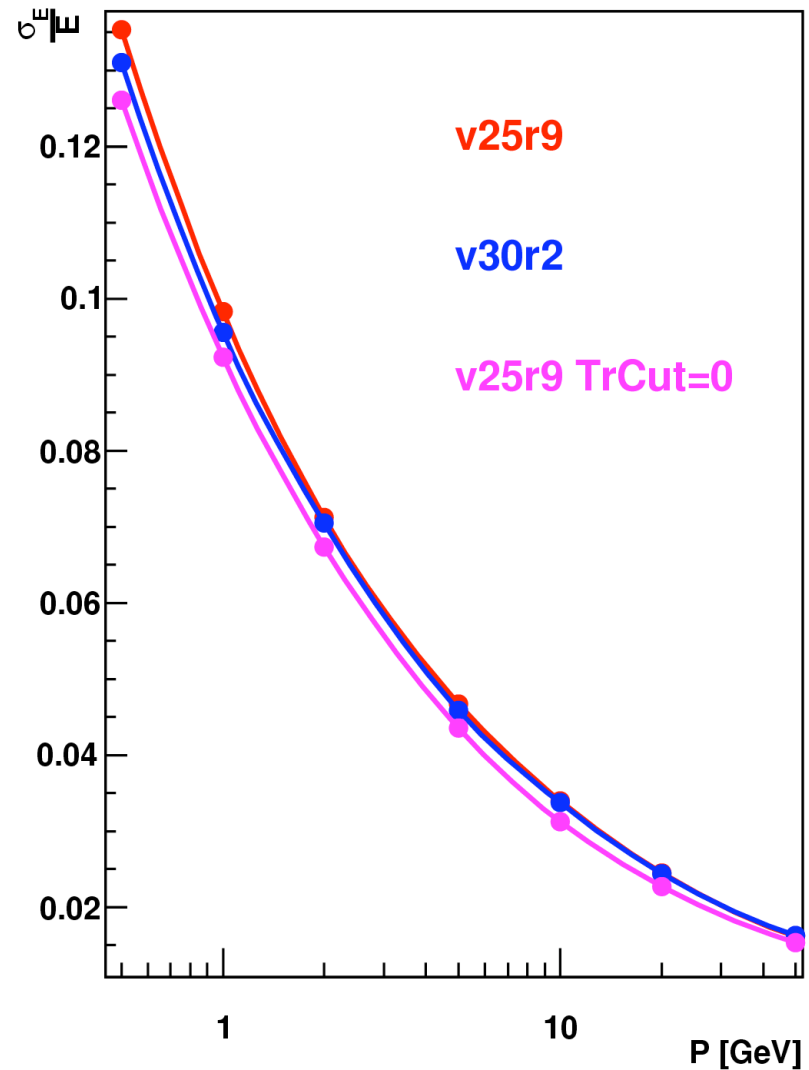
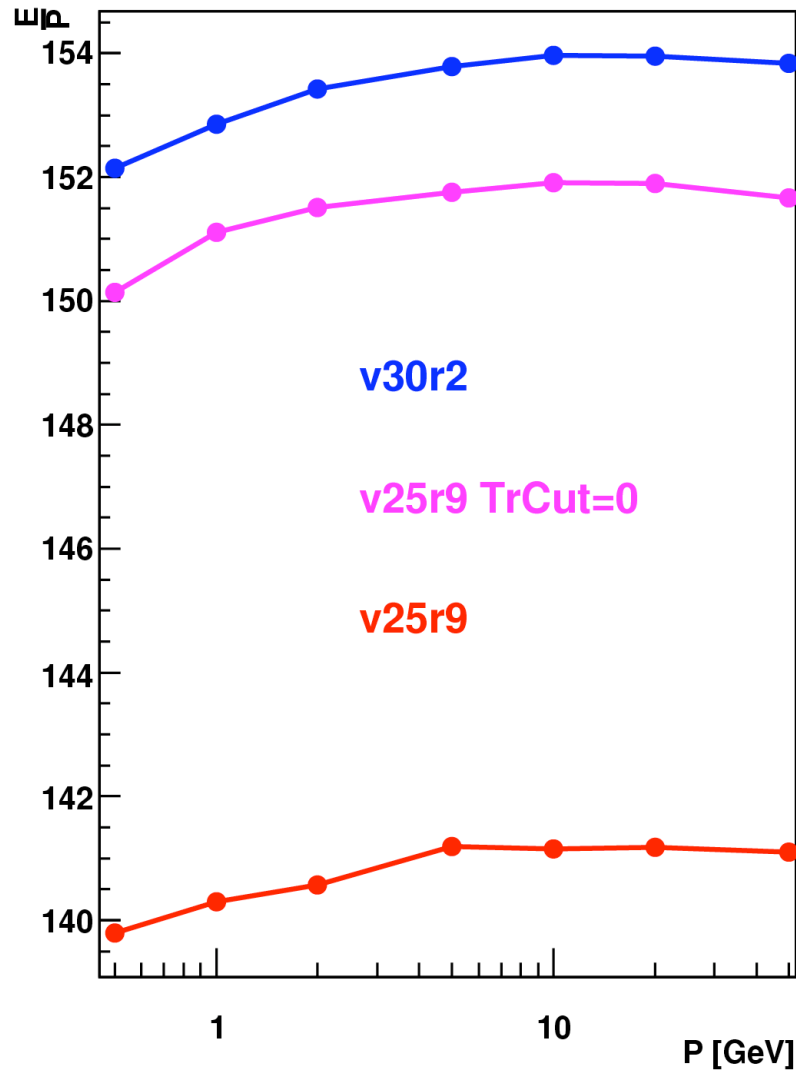
<i>EMPhysics</i>	<i>Time per event</i>	<i>Average energy</i>	$\sigma(E)/E$ [%]
<i>Gauss v25r9 EMPhysics</i>	0.596 ± 0.0132	1411	3.22
<i>Gauss v30r2 EMStandartPhysics71</i>	1.21 ± 0.0446	1539	3.3
<i>Gauss v30r2 EMStandartPhysics72</i>	2.85 ± 0.139	1789	2.81
<i>Gauss v30r2 EMStandartPhysics</i>	2.59 ± 0.0989	1786	2.95

Electron 10 GeV in ECAL

TrackCut



Electron 10 GeV in ECAL Momentum



Electron 10 GeV in ECAL

ProductionCut

