

Correct effective area in DESY and IFAE response files

Status:	Closed	Start date:	02/19/2015
Priority:	Urgent	Due date:	
Assigned To:	Knödlseider Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.0.0		
Description			
<p>Following discussion with Gernot, the DESY and IFAE response files contain effective areas including a 68% containment cut. To get the full effective area, the values from the ROOT file have to be divided by 0.68.</p> <p>The calibration database should be updated to correctly reflect the effective areas.</p>			

- Status changed from New to In Progress
- % Done changed from 0 to 10

After discussion with Gernot it became clear that only the DESY IRFs can be corrected (by dividing the effective area by 0.68) while the IFAE IRF has an energy dependent cut.

- File *aeff.png* added
- File *sensitivity.png* added

I corrected the effective area and created a new calibration database (cta-caldb-20150220.tar.gz). Below a comparison of the effective area (left) and sensitivity (right) before (old) and after (new) the correction.

