ctools - Feature #113

ctobssim: Allow specification of deadtime correction factor

03/08/2012 02:29 PM - Knödlseder Jürgen

Status:	Closed	**Start date:**	03/08/2012
Priority:	Normal	**Due date:**	
Assigned To:	Knödlseder Jürgen	**% Done:**	100%
Category:		**Estimated time:**	2.00 hours
Target version:	00-04-00		

Description

So far ctobssim assumes 100% livetime. To fully test the system and to allow more realistic simulations, the average deadtime correction (livetime/ontime) should be a user parameter.

History

#1 - 03/08/2012 03:15 PM - Knödlseder Jürgen

- Target version set to 00-04-00

#2 - 03/08/2012 03:17 PM - Knödlseder Jürgen

- Status changed from New to Closed

- % Done changed from 0 to 100

Added deadc parameter to parameter file and added a Monte Carlo process to the photon and background event selection that keeps only those events that fall during the livetime of the system. This means that background rates are given in units of counts per ontime (and not counts per livetime).