Selected news on PANDA-EMC

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status on quality control

Туре		Lot B1 - B4	Lot B5	Lot B6	Lot B7	Lot B8	Lot B9
End Cap		4400					
Backward EC						70	630
Barrel	Type 1	375		270	695		
	Туре 2					140	
	Туре 9			330	325		
	Type 10					120	
Total		4775		600	1020	330	630
Delivered?		~		~	~	~	~
Completely analyzed?		~		√	✓	(X)	×

latest news on stimulated recovery - 1





latest news on stimulated recovery - 2





ionization and stimulation processes in PWO



- detailed studies with EPR measurements have been started
- FP7 proposal has been submitted collaboration Prague-Milano-Riga-KVI-Uppsala-GI-GI-Minsk

1 ionization of FTD_{0} , 2 radiative/non-radiative recombination, 3 intra-center absorption in FTD_{0} , 4 non-radiative relaxation, 5 radiative/non-radiative recombination of FTD_{0} .

first attempt of recovery of damage due to protons in collaboration with F. Nessi-Tedaldi et al.

total fluence of 24 GeV/c protons: $(9.87 \pm 0.69) \cdot 10^{12} \text{ p/cm}^2$



first attempt of recovery of damage due to protons



illumination time / h

Fig. 5 Recovery stimulation of p-irradiated CMS PWO crystal with different photon colors after first stimulation and repeated irradiation with ⁶⁰Co





Fig.8 Induced absorption spectrum of PWO-II crystal of PANDA EMC



Fig.11 Change of the CMS PWO longitudinal transmission after

