

Japan Charged-Particle Nuclear Reaction Data Group

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Date: December 10, 2003
To: Distribution
From: OTSUKA Naohiko and KATŌ Kiyoshi
Subject: Dictionary 22 (Detectors) update

In recent experiments at RIKEN, unstable nuclei produced in fragmentation processes are often measured by using “parallel plate avalanche counter” (PPAC). For example three works, M. Notani *et al.*, Phys. Lett. **B428** (1999) 454, T. Zheng *et al.*, Nucl. Phys. **A709** (2002) 103, and A. Ozawa *et al.*, Phys. Rev. **C67** (2003) 014610, which we are compiling, employed this counter. This counter is a gas counter and used to determine the positions of incoming particles. This counter is also used to measure the position of fission fragments.

We also need another detector code for bubble chamber to compile T. Tsuboyama *et al.*, Nucl. Phys. **A486** (1988) 669 in which KEK 1m liquid-hydrogen bubble chamber was used..

Dictionary 22 (Detectors)

PPAC	Parallel plate avalanche counter
BUBLC	Bubble chamber

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