

CMS Barrel Drift Tubes

Neutron Irradiation Tests of Chamber Electronics

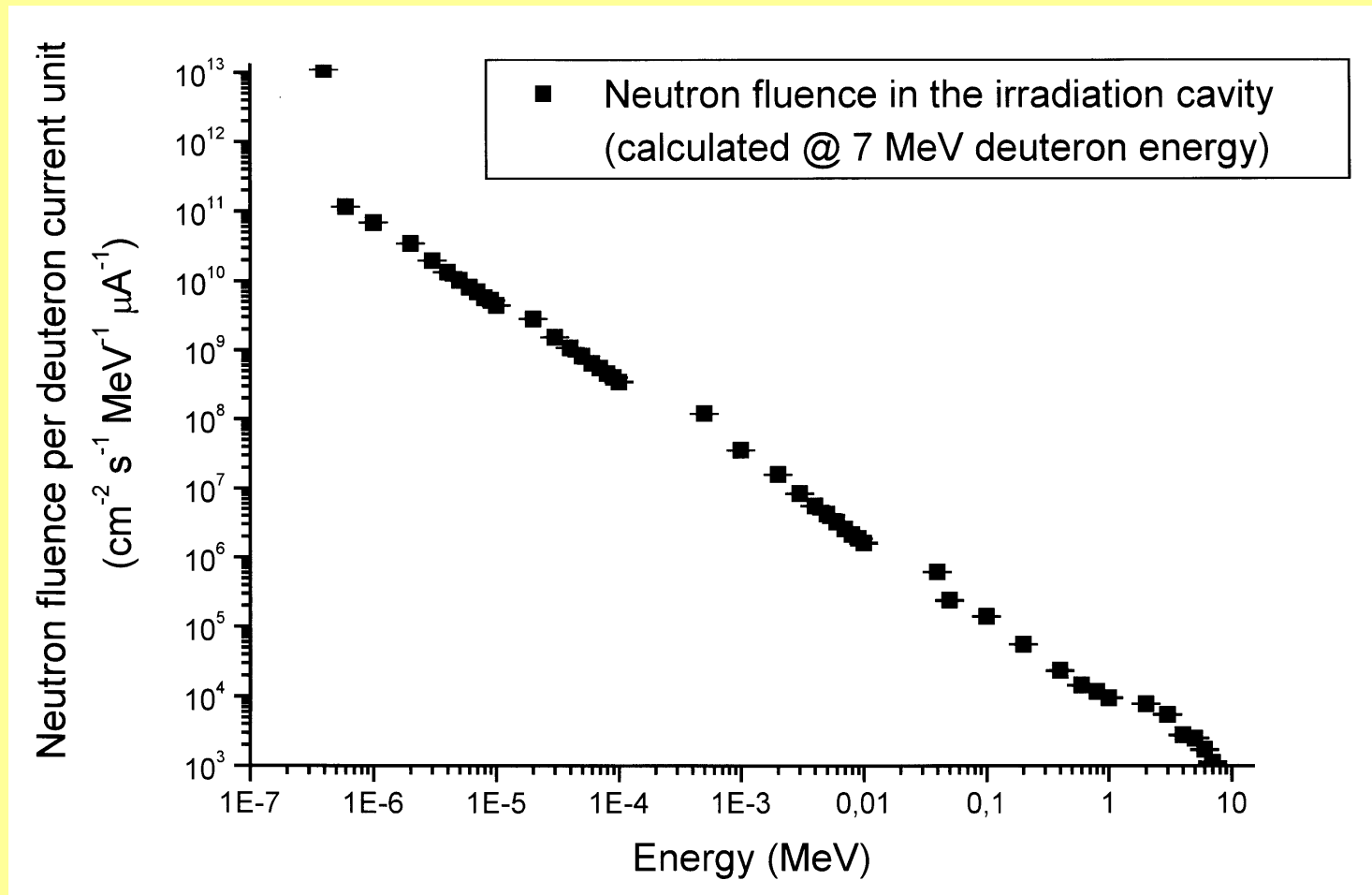
Test neutrons characterization

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Neutron Irradiation Test 06/99

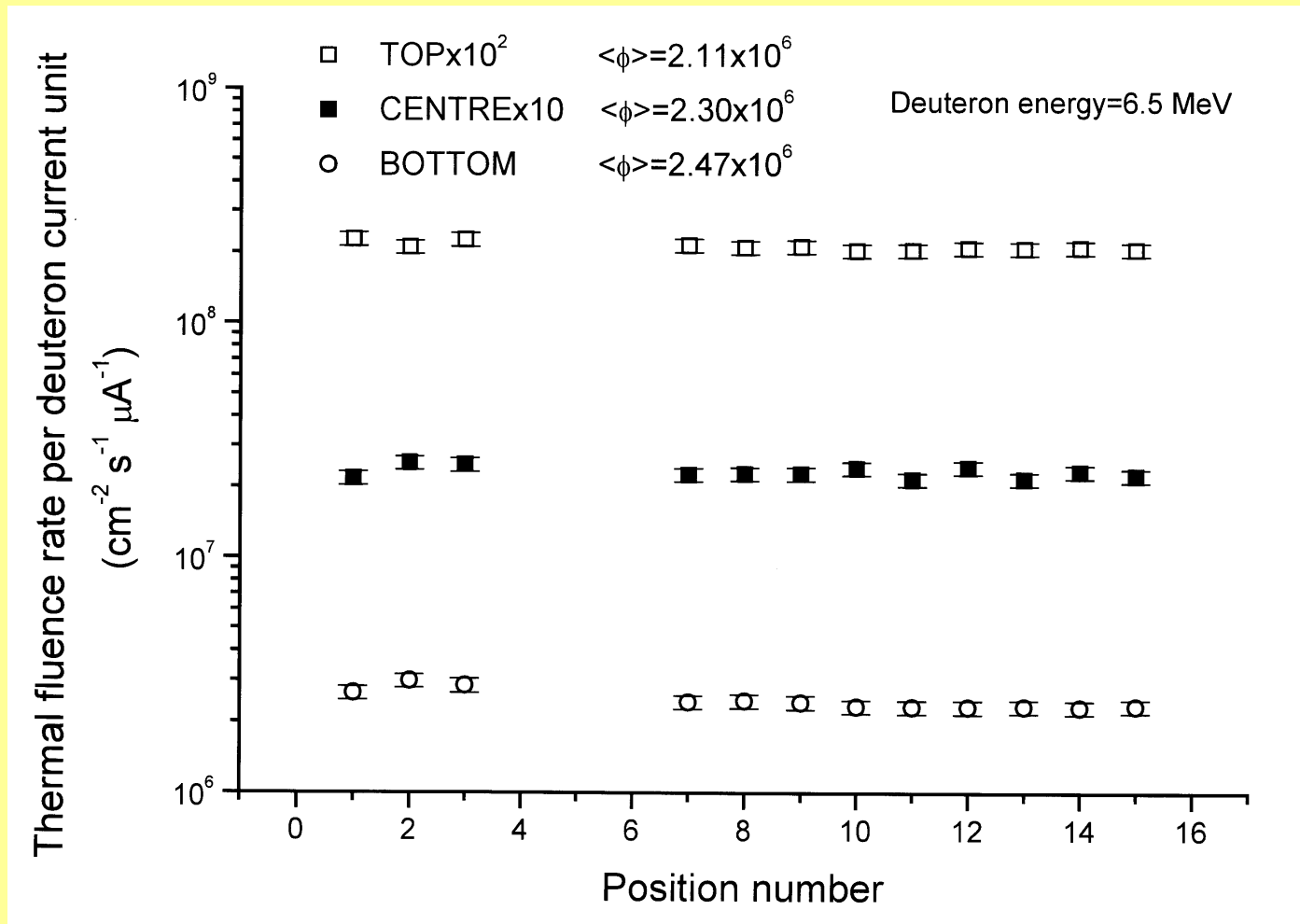
Thermal neutron spectrum





Neutron Irradiation Test 06/99

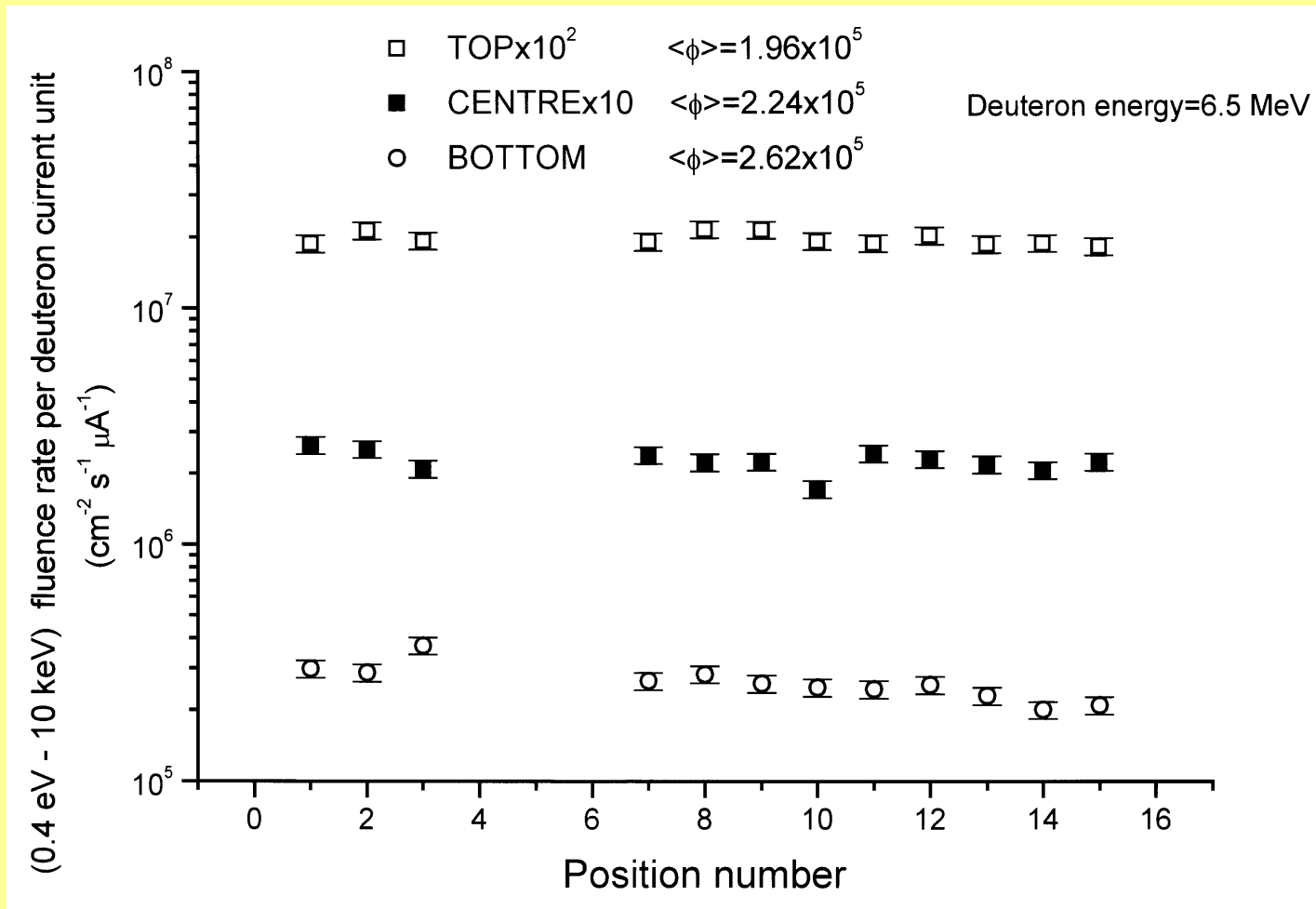
Thermal neutron fluence in irradiation cavity





Neutron Irradiation Test 06/99

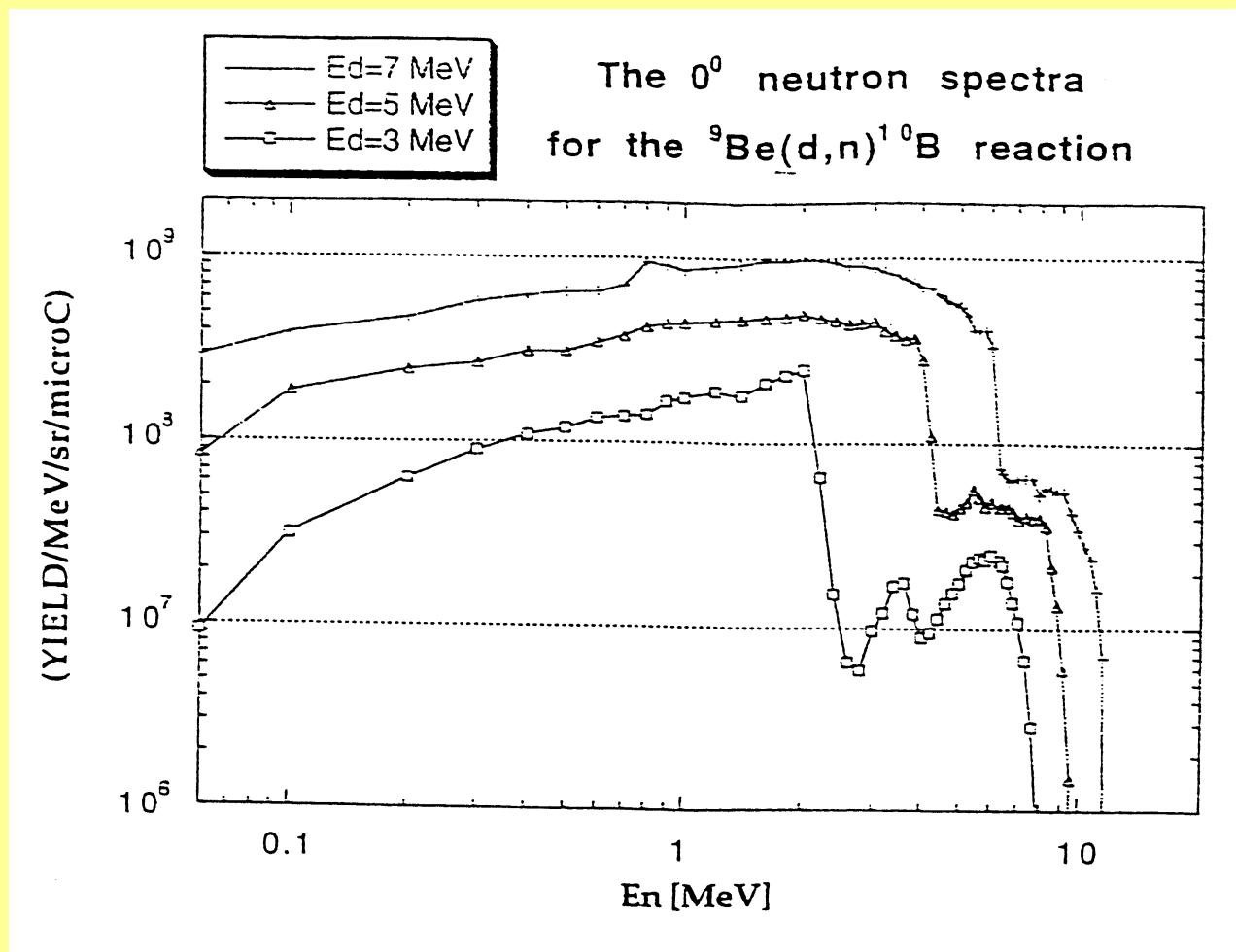
Epithermal neutron fluence in irradiation cavity





Neutron Irradiation Test 06/99

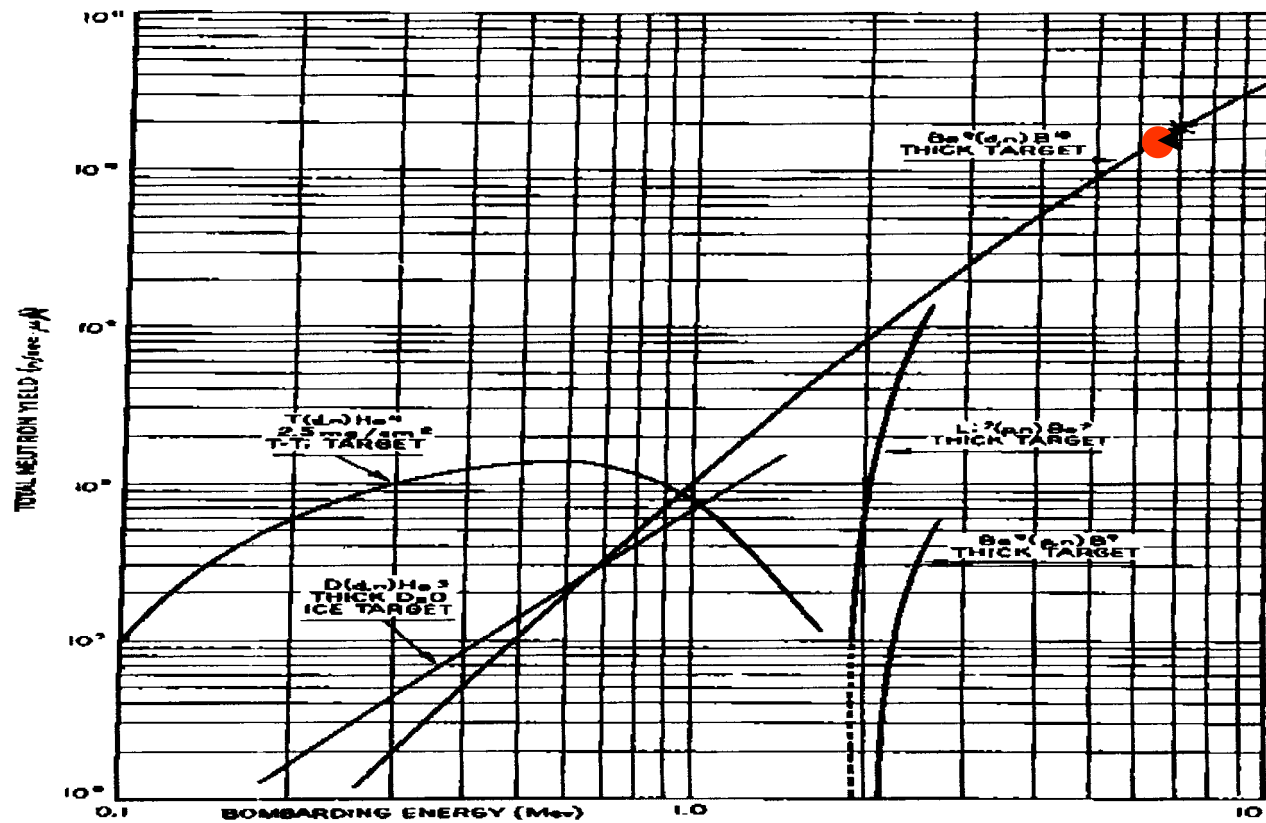
Fast neutrons spectra





Neutron Irradiation Test 06/99

Fast neutrons yield



$1.3 \times 10^{10} \text{ n}/\mu\text{A}$ @ 6.5 MeV

FIG. 1 - Rese neutroniche da alcune tipiche reazioni nucleari.