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4C-1/190

334-F4.01.11

DATE: May 20, 1987  
TO: Distribution  
FROM: N. E. Holden *NEH*  
SUBJECT: CINDA CODING for BREMSSTRAHLUNG Production Cross Sections

In a recent Physical Review article, (PR/C 35, 1720) a differential cross section for n-p scattering with bremsstrahlung production was calculated and compared to experiments. However, the experiments had never been coded into CINDA. Since nucleon-nucleon bremsstrahlung is essentially a form of inelastic N-N scattering, the usual CINDA code should be "DNG", for inelastic scattering gamma rays. However, the DNG code is an illegal reaction for hydrogen.

I would recommend that the DNG code be allowed in this case with the comment bremsstrahlung production cross section inserted in the comment field. As an alternative, if this solution is not acceptable, or a better solution can be thought of, this could be added as an agenda item for the Fall meeting discussion on CINDA.

*Charles L. Dunford*  
Charles L. Dunford

Distribution  
V. Manokhin  
N. Tubbs

J. J. Schmidt  
NNDC (5)

MAY 27 1987

ACTION OFFICER: <i>J.J. Schmidt</i>		
FORM OF ACTION	DATE OF ACTION	SIGNATURE
REPLY:		
OTHER ACTION:		
NO ACTION:		
INTERIM REPLY (ATTACH 14-32)		
ENCLOSURES		