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Memo CP-D/612

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To: Distribution
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Subject: Classification of alpha value (,ALF and ,ALF,,RES)

Alpha value (ALF in SF6) is defined as the ratio of capture cross section to fission cross section. I believe it has been used for evaluation of capture cross sections of major fissile nuclides (e.g. ²³⁵U, ²³⁹Pu), and therefore these values should be found when users search EXFOR data by CS (cross section) rather than MFQ (Miscellaneous fission quantity). I propose the following update in dictionaries 45 and 213:

Dictionary 45 (New CINDA quantities)

ALF MFQ → CS in field 1

Dictionary 213 (Reaction Type)

ALF MFQ → CS in field 2

ALR MFQ → CS in field 2

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