**Nuclear Data Section**

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**Memo CP-D/1019**

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**To:** Distribution

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**Subject: Dictionary 24 (Data headings) – ANG-AZ and ANG-AZ-RL**

I realized during review of PRELIM.F083 and F084 that we have the following two heading codes in Dictionary 24:

* ANG-AZ (Azimuthal angle)
* ANG-AZ-RL (Azimuthal angle between 2 reaction planes)

As LEXFOR “Differential Data” mentions, the azimuthal angle is defined as the angle between two reaction planes. In other words, a single azimuthal angle does not make sense to define a dataset, and we expect to see ANG-AZ-RL (or a combination of ANG-AZ1 and ANG-AZ2) in EXFOR entries.

ANG-AZ is seen in the following entries in EXFOR Master 2021-08-10:

14337

22839, 22997

30036

A0883

E2267

F0084, F0894, F1148, F1228, F1310, F1343, F1344 (all in PRELIM.F083 or F084).

O1450, O1518, O1863, O1974, O2462, O2473

T0071, T0072

I believe there are few users need such azimuthal angle dependent data, and I do not register them in the Feedback List. I guess we simply need to replace ANG-AZ with ANG-AZ-RL in many cases. This replace must be done also in EXFOR thoroughly.

**Dictionary 24 (Data headings)**

ANG-AZ (*Obsolete*)

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