

# $^{163}\text{Lu}$ - new formalism for TSD4

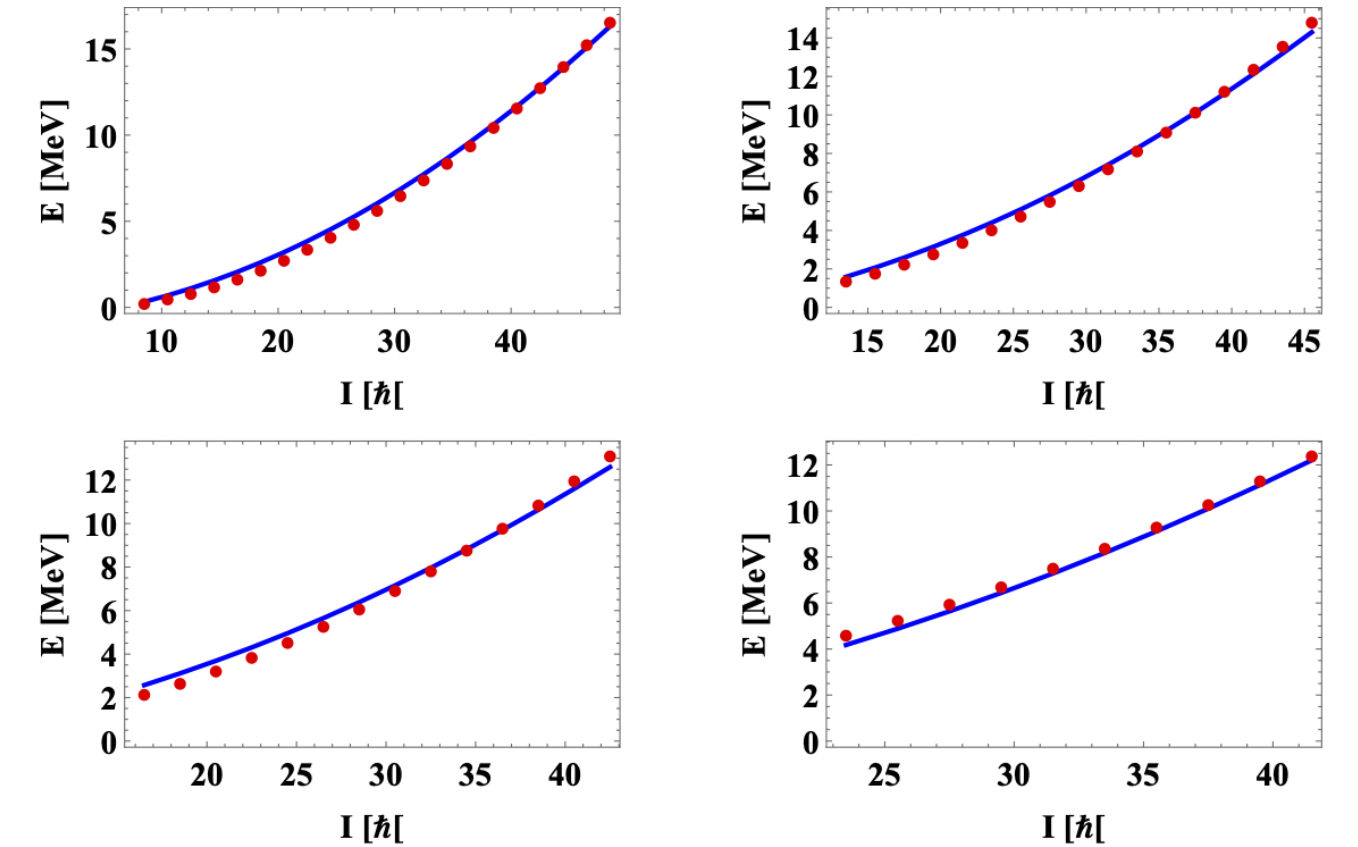
The preliminary results of the fit for the excitation energies.

## Method 1

- TSD1:  $(0,0)$ , TSD2:  $(1,0)$ , TSD3:  $(2,0)$ , TSD4:  $(0,0)$
- $j=13/2$

```
TSD4:  (0,0)
Initializing rms class...
Starting to search for the minimum RMS...
I1= 83.5
I2= 93.5
I3= 2
V= 9.1
gm= 21
E_RMS= 0.323061
Finished computations. Process took: 696.262 s
```

Plot-0



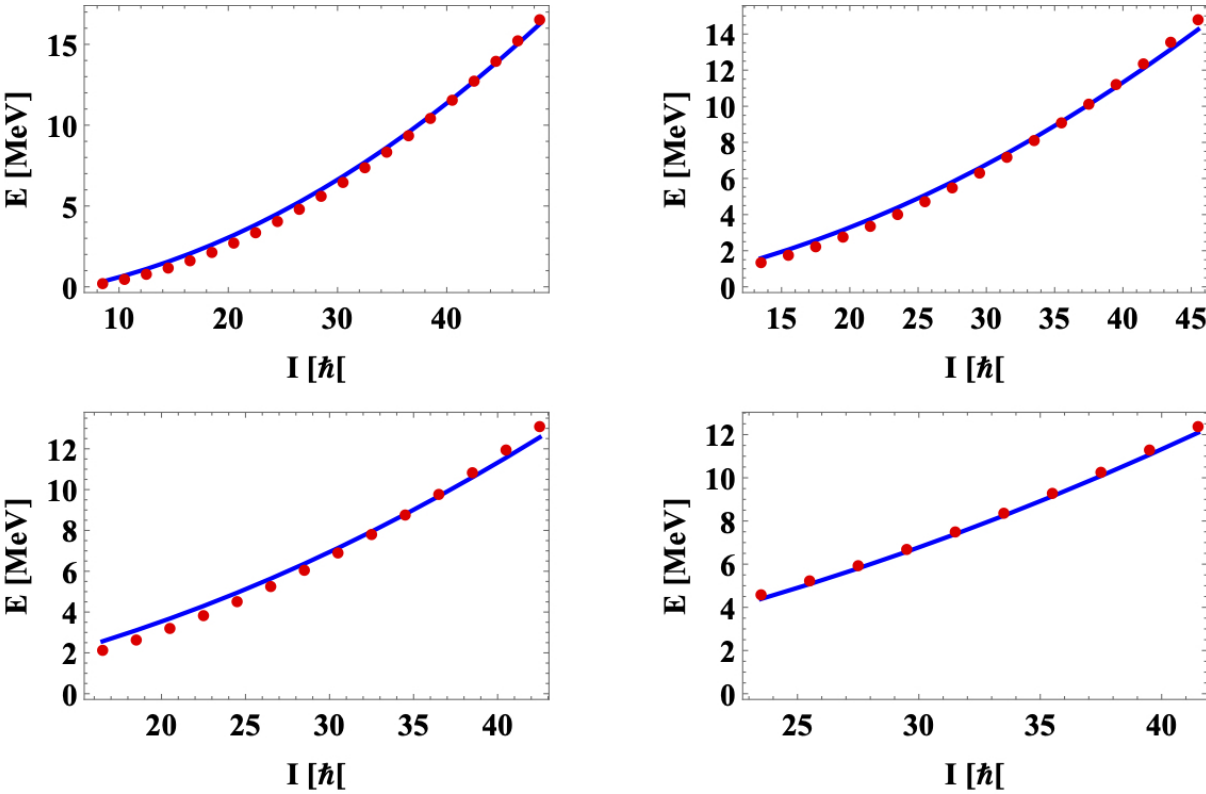
## Method 2

- TSD1:  $(0,0)$ , TSD2:  $(1,0)$ , TSD3:  $(2,0)$ , TSD4:  $(1,0)$

- \$j=13/2\$

```
TSD4: (1,0)
Initializing rms class...
Starting to search for the minimum RMS...
I1= 84
I2= 94
I3= 2
V= 9.1
gm= 21
E_RMS= 0.313302
Finished computations. Process took: 567.621 s
```

Plot-1



Out[ $\ast$ ]=