**From:** ppapakon@ibs.re.kr [mailto:ppapakon@ibs.re.kr]   
**Sent:** Friday, 07 September 2018 7:19 AM  
**To:** Iyabo Usman  
**Cc:** Peter; John Carter  
**Subject:** RE: RE: Request for new calculations on IVGDR Calcium isotopes

Ca40\_SLy4\_1m\_NoCont.txt Ca48\_SLy4\_1m\_NoCont.txt

Dear Iyabo,

It's my pleasure. Here are the results for 40Ca and 48Ca. The conventions are the same as with the usual continuum-rpa results, namely:

1st column is the excitation energy in MeV; the 5th column is the isovector strength, dB/dE. I have assumed as before a bin size of 47keV. The box boundary conditions imposed render the spectrum discrete (no continuum) down to the scale of the bin size.

I hope this will be useful.

Best regards,

Panagiota

**--------- Original Message ---------**

**From** : Iyabo Usman <Iyabo.Usman@wits.ac.za>  
**To** : Panagiota <ppapakon@ibs.re.kr>  
**Cc** : Peter <vnc@ikp.tu-darmstadt.de>, John Carter <John.Carter@wits.ac.za>  
**Date** : 2018-09-06 (Thu) 02:57:04  
**Subject** : RE: Request for new calculations on IVGDR Calcium isotopes

Dear Panagiota,

Thanks for your support.

Looking forward to hearing from you.

Regards,

Iyabo.

On Sep 5, 2018 11:40 AM, Panagiota Papakonstantinou <ppapakon@ibs.re.kr> wrote:

Dear Iyabo,

All fine here and I hope the same for you. Great to hear about the progress with the IVGDR study. The requested runs are underway (the interaction I had used with continuum was SLy4, so I am using that again, without continuum). Barring unforeseeable events I will send them on Friday, or else I'll keep you posted.

Best regards,

Panagiota

**--------- Original Message ---------**

**From** : Iyabo Usman <Iyabo.Usman@wits.ac.za>  
**To** : "Panagiota Papakonstantinou ‎[p" <ppapakon@ibs.re.kr>  
**Cc** : Peter von Neumann-Cosel <vnc@ikp.tu-darmstadt.de>, John Carter <John.Carter@wits.ac.za>  
**Date** : 2018-09-04 (Tue) 20:47:58  
**Subject** : Request for new calculations on IVGDR Calcium isotopes

 Dear Panagiota,

How are you doing?

We are in the process of publishing the results from IVGDR on calcium isotopes (40,42.44.48Ca), and on a more vivid investigation of the scales that appears on both experiments and theoretical calculations that you provided, we would therefore like to request for a new RPA calculation with the SLY6 force without continuum. This will allow us to make important conclusions about the origin of the scales found in the experimental data.

Thanking you in advance.

Best regards,

Iyabo.

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| --    Panagiota PAPAKONSTANTINOU    Institute for Basic Science  Rare Isotope Science Project  70, Yuseong-daero 1689-gil  Yuseong-gu  Daejeon 34047  South Korea    Tel:  +82 42 878 8827  Fax: +82 42 878 8866    <http://theorie.ikp.physik.tu-darmstadt.de/~panagiota> |  |