JANA2020 Workshop @ MLZ

Report of Contributions

Contribution ID: **1**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Welcome & Organisational details

Wednesday 18 October 2023 09:00 (10 minutes)

Session Classification: Day 1

Contribution ID: **2**　　　　　　　　　　　　　　　　　　Type: **not specified**

Dr. M. Dušek −Introduction to Jana2020

Wednesday 18 October 2023 09:10 (50 minutes)

Session Classification: Day 1

Contribution ID: **3**   Type: **not specified**

Hands-on tutorial „First steps with Jana2020"

Wednesday 18 October 2023 10:30 (2 hours)

Example 01.1: Zn | Solution of a simple crystal structure from single crystal data
Example 02.1.1: PbSO4 | Simple inorganic structure from powder

Session Classification: Day 1

Contribution ID: **5**   Type: **not specified**

Dr. M. Henriques –Magnetic structures in Jana2020

Wednesday 18 October 2023 13:30 (1 hour)

Session Classification: Day 1

Contribution ID: **6** Type: **not specified**

Hands-on tutorial „Magnetic structures, Part 1"

Wednesday 18 October 2023 14:30 (1 hour)

Example 12.1: Ba5Co5 |powder data, k=0
Example 12.2: Ba6Co6 |powder data, k=(0,0,1/2)
Example 12.1: Ba5Co5 |Jana2020 –ISODISTORT communication
Example 12.5: HoNi |single crystal data, k=(0,0,1)

Session Classification: Day 1

Contribution ID: **7** Type: **not specified**

Hands-on tutorial „Magnetic structures, Part 1 "(continuation)

Wednesday 18 October 2023 16:00 (1h 30m)

Example 12.1: Ba5Co5 |powder data, k=0
Example 12.2: Ba6Co6 |powder data, k=(0,0,1/2)
Example 12.1: Ba5Co5 |Jana2020 –ISODISTORT communication
Example 12.5: HoNi |single crystal data, k=(0,0,1)

Session Classification: Day 1

Contribution ID: **8**   Type: **not specified**

Dr. V. Petricek –Introduction to modulated structures

Thursday 19 October 2023 09:00 (1 hour)

Session Classification: Day 2

Contribution ID: **9** Type: **not specified**

Hands-on tutorial „First steps with modulated structures"

Thursday 19 October 2023 10:00 (1 hour)

Example 5.2: Na2CO3 | Simple incommensurately modulated structure from single crystal data
Example xxx –commensurate Na2CO3

Session Classification: Day 2

Contribution ID: **10**   Type: **not specified**

Hands-on tutorial „First steps with modulated structures"(continued)

Thursday 19 October 2023 11:30 (1 hour)

Example 5.2: Na2CO3 | Simple incommensurately modulated structure from single crystal data
Example xxx –commensurate Na2CO3

Session Classification: Day 2

Contribution ID: **11**　　　　　　　　　　　　　　　　　　Type: **not specified**

Dr. M. Henriques –magnetic symmetry in superspace

Thursday 19 October 2023 13:30 (1 hour)

Session Classification: Day 2

Contribution ID: **12** Type: **not specified**

Hands-on tutorial „Magnetic structures, Part 2 "

Thursday 19 October 2023 14:30 (1 hour)

Example 12.4: MnWO4 |powder data, k=(-0.209,0.5,0.453)
Example 12.7: DyMn6Ge6 |powder data, k0=0 and k1=(0,0,0.1651)

Session Classification: Day 2

Contribution ID: **13** Type: **not specified**

Hands-on tutorial „Magnetic structures, Part 2 "(continued)

Thursday 19 October 2023 16:00 (1 hour)

Example 12.4: MnWO4 |powder data, k=(-0.209,0.5,0.453)
Example 12.7: DyMn6Ge6 |powder data, k0=0 and k1=(0,0,0.1651)

Session Classification: Day 2

Contribution ID: **14** Type: **not specified**

Dr. V. Petricek –Twinned structures in Jana2020

Friday 20 October 2023 09:00 (1 hour)

Session Classification: Day 3

Contribution ID: **15** Type: **not specified**

Hands-on tutorial „Twins"

Friday 20 October 2023 10:00 (30 minutes)

Example 3.1: AD3 –a simple pseudomerohedric twin
Example 3.3: CsLiSO4 –a three-fold pseudomerohedric twin with unexpected unit cell
Example 07.1: Ephedrine | Commensurately modulated structure with merohedric twinning

Session Classification: Day 3

Contribution ID: **16**   Type: **not specified**

Hands-on tutorial „Twins"(continued)

Friday 20 October 2023 11:00 (1h 30m)

Example 3.1: AD3 –a simple pseudomerohedric twin
Example 3.3: CsLiSO4 –a three-fold pseudomerohedric twin with unexpected unit cell
Example 07.1: Ephedrine | Commensurately modulated structure with merohedric twinning

Session Classification: Day 3

Contribution ID: **17**   Type: **not specified**

Discussion & Wrap-up

Friday 20 October 2023 13:30 (1 hour)

Session Classification: Day 3