# The Milky Way and its high-redshift progenitors in theory and observations

## Location: Hoyle Building Lecture Theatre

### Monday 04.12.2023

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 - 13:40</td>
<td>Welcome</td>
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<tr>
<td>13:40 - 14:10</td>
<td>Ricardo Schiavon</td>
<td>The contribution of destroyed globular clusters to the stellar mass budget of galaxies</td>
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<tr>
<td>14:10 - 14:30</td>
<td>Anke Ardern-Arentsen</td>
<td>The ancient, &quot;high-redshift&quot; inner Milky Way</td>
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<tr>
<td>14:30 - 14:50</td>
<td>Hanyuan Zhang</td>
<td>Do we have an early disc in the Milky Way?</td>
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<tr>
<td>14:50 - 15:10</td>
<td>Vasily Belokurov</td>
<td>Observational constraints on the disc emergence in the Milky Way</td>
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<tr>
<td>15:10 - 15:30</td>
<td>Sergey Koposov</td>
<td>What do streams tell us about the Milky Way?</td>
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<tr>
<td>15:30 - 16:00</td>
<td>Coffee break</td>
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<tr>
<td>16:00 - 16:30</td>
<td>Robert Grand</td>
<td>The impact and signatures of mergers on disc and bar formation in simulated Milky Way-like galaxies</td>
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<tr>
<td>16:30 - 16:50</td>
<td>Eun-jin Shin</td>
<td>Star formation variability as a probe for the baryon cycle within galaxies</td>
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<tr>
<td>16:50 - 17:10</td>
<td>Sergio Martin-Alvarez</td>
<td>The interplay of magnetism, radiation and cosmic rays in dwarf galaxy formation</td>
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<tr>
<td>17:10 - 17:30</td>
<td>Discussion</td>
<td>led by Ricardo &amp; Robert</td>
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### Tuesday 05.12.2023

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>9:30 - 10:00</td>
<td>Freeke van de Voort</td>
<td>The impact of magnetic fields and cosmic ray feedback on Milky Way-mass galaxies and their gaseous haloes</td>
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<tr>
<td>10:00 - 10:20</td>
<td>Will McClymont</td>
<td>The nature of diffuse ionised gas in star-forming galaxies</td>
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<tr>
<td>10:20 - 10:40</td>
<td>Adam Dillamore</td>
<td>Taking the Milky Way for a spin: disc formation in the ARTEMIS simulations</td>
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<tr>
<td>10:40 - 11:00</td>
<td>Tibor Dome</td>
<td>Mini-Quenching Episodes in High-Redshift Progenitors of Milky Way-like Galaxies Across Four Galaxy Formation Models</td>
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<tr>
<td>11:00 - 11:30</td>
<td>Coffee break</td>
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<tr>
<td>11:30 - 12:00</td>
<td>Hannah Übler</td>
<td>Kinematics and mass budgets of Milky Way progenitors</td>
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<tr>
<td>12:00 - 12:20</td>
<td>Lola Danhaive</td>
<td>Constraining early disc formation and galaxy kinematics with JWST</td>
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<tr>
<td>12:20 - 12:40</td>
<td>David Puskas</td>
<td>Constraining the merger history of high-z galaxies using JADES data</td>
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<td>12:40 - 13:00</td>
<td>William Baker</td>
<td>Inside out growth in the early Universe: A core in a vigorously star-forming disc</td>
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<td>13:00 - 14:00</td>
<td>Lunch</td>
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<tr>
<td>14:00 - ...</td>
<td>Discussion</td>
<td>followed by hands-on work sessions</td>
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