

USER AGREEMENT FOR UrQMD

Version 4.0 – Effective Date: Mai 1st 2025

www.urqmd.org

This User Agreement (“Agreement”) governs the use of the UrQMD software package (“Software”), which is developed by the UrQMD collaboration (“Developers”) and made freely available for academic and non-commercial purposes.

By downloading, installing, or using the Software, you (“User”) agree to the following terms:

1. LICENSE GRANT

The Developers grant the User a non-exclusive, non-transferable, royalty-free license to use the Software for personal, academic, or research purposes only.

The Software is source-available but not open source. The source code is provided for reference and reproducibility but is subject to the restrictions described below.

2. RESTRICTIONS ON USE

Unless explicitly permitted in writing by the Developers, the User shall not:

- Modify, adapt, translate, or create derivative works based on the Software;
- Distribute, sublicense, or otherwise share the Software or any modifications thereof;
- Use the Software for commercial purposes;
- Reverse engineer, decompile, or attempt to extract the source code (if binary distributions are used);
- Remove or alter any proprietary notices, citations, or attributions included with the Software.

3. MODIFICATION AND CONSULTATION REQUIREMENT

Any proposed modifications to the Software or derivative works based on it must be discussed with and approved by the Developers in advance.

To request permission, contact: urqmd@urqmd.org

Unapproved modifications or derivative works may violate this Agreement and result in revocation of use rights.

4. ATTRIBUTION

If the Software is used in any academic publication or presentation, the following citation(s) must be included:

- S. A. Bass, M. Belkacem, M. Bleicher, M. Brandstetter, L. Bravina, C. Ernst, L. Gerland, M. Hofmann, S. Hofmann, J. Konopka, G. Mao, L. Neise, S. Soff, C. Spieles, H. Weber, L. A. Winckelmann, H. Stocker, W. Greiner, Ch. Hartnack, J. Aichelin and N. Amelin: *Microscopic Models for Ultrarelativistic Heavy Ion Collisions*, Prog. Part. Nucl. Phys. 41 (1998) 225-370.

- M. Bleicher, E. Zabrodin, C. Spieles, S.A. Bass, C. Ernst, S. Soff, L. Bravina, M. Belkacem, H. Weber, H. Stocker, W. Greiner: *Relativistic Hadron-Hadron Collisions in the Ultra-Relativistic Quantum Molecular Dynamics Model*, J. Phys. G: Nucl. Part. Phys. 25 (1999) 1859-1896.

The use of some model options requires the inclusion of additional references which are summarized in the user guide.

5. NO WARRANTY

THE SOFTWARE IS PROVIDED “AS IS,” WITHOUT WARRANTY OF ANY KIND. THE DEVELOPERS DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

6. LIMITATION OF LIABILITY

Liability is excluded to the extent permitted by applicable law.

7. TERMINATION

This Agreement is effective until terminated. The Developers may terminate this Agreement at any time, especially if the User fails to comply with its terms. Upon termination, the User must cease all use of the Software and destroy any copies.

8. GOVERNING LAW

This Agreement shall be governed by and construed in accordance with the laws of Germany.

CONTACT

For inquiries, permissions, or collaboration requests, please contact:

urqmd@urqmd.org