UNIVERSITY OF AMSTERDAM

UvA-DARE (Digital Academic Repository)

# Stellar collisions in young star clusters

Gaburov, E.

**Publication date**
2008

Link to publication

**Citation for published version (APA):**
Gaburov, E. (2008). *Stellar collisions in young star clusters*.
http://www.science.uva.nl/research/scs/papers/archive/Gaburov2008c.pdf

**General rights**
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

**Disclaimer/Complaints regulations**
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: https://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

*UvA-DARE is a service provided by the library of the University of Amsterdam (https://dare.uva.nl)*

Download date:23 Sep 2021

# List of publications

## Refereed publications

1. S. Portegies Zwart, E. Gaburov, H.-C. Chen and M. A. Gurkan, 2007, MNRAS, 378L, 29, *The present day mass function of Arches cluster*

2. E. Gaburov, A. Gulandris and S. Portegies Zwart, MNRAS, 2008, 384, 376, *On the onset of runaway stellar collisions*

3. E. Gaburov, J. C. Lombardi and S. Portegies Zwart, MNRAS, 2008, 383L, 5, *Mixing in massive stellar mergers*

4. E. Gaburov and M. Gieles, MNRAS, in press, `arXiv/0801.0596`, *Mass segregation in young star clusters: can it be detected from the integrated photometric properties?*

5. E. Glebbeek, E. Gaburov, O. Pols and S. Portegies Zwart, submitted to A&A, *Evolution of runway collision products*

## Non-refereed publications

1. E. Gaburov and M. Gieles, 2008, IAU-246, 193, *Integrated properties of mass segregated star clusters*

## In preperation

1. E. Gaburov, J. C. Lombardi and S. Portegies Zwart, to be submitted to MNRAS, *Hydrodynamics of stellar collisions in triple stellar systems*

2. E. Gaburov, S. Harfst, K. Nitadori, S. Portegies Zwart and J. Makino, to be submitted to New Astronomy, *Gravitational tree-code on graphics processing units: implementation in CUDA*

3. E. Gaburov, S. Harfst and S. Portegies Zwart, in preparation, *High-precision N-body simulations on graphics processing units*