

CURRICULUM VITAE

Yue Hao

Associate Professor of Physics
Michigan State University
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(a) Education & Training

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|---------------------------------------|-----------------|----------------|-----------|
| Brookhaven National Laboratory | Upton, NY | Postdoc Fellow | 2008-2010 |
| Indiana University | Bloomington, IN | Ph.D. | 2008 |
| University of Sci. and Tech. of China | Hefei, China | B.A. | 2003 |

(b) Research & Professional Experience

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|----------------|---|
| 2016 – present | Associate Professor of Physics, Michigan State University |
| 2014 – 2016 | Physicist, Brookhaven National Laboratory |
| 2012 – 2014 | Associate Physicist, Brookhaven National Laboratory |
| 2010 – 2012 | Assistant Physicist, Brookhaven National Laboratory |
| 2010 – 2016 | Adjunct Professor of Physics, Stony Brook University |

(c) Selected Publications

1. Derong Xu, Yue Hao, Yun Luo, and Ji Qiang, Synchrotron resonance of crab crossing scheme with large crossing angle and finite bunch length, [Phys. Rev. Accel. Beams](#) **24**, 041002 (2021).
2. Yongjun Li, Yue Hao, Kilean Hwang, Robert Rainer, An He, and Ao Liu, Fast dynamic aperture optimization with forward-reversal integration, [Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment](#) **988**, 164936 (2021).
3. Yue Hao, V. N. Litvinenko, and V. Ptitsyn, Beam-beam effects of gear changing in ring-ring colliders, [Phys. Rev. ST Accel. Beams](#) **17**, 041001 (2014).
4. Yue Hao, Vladimir N. Litvinenko, and Vadim Ptitsyn, Mitigation of the kink instability in the energy recovery linac based electron-ion collider, [Phys. Rev. ST Accel. Beams](#) **16**, 101001 (2013).
5. Yichao Jing, Yue Hao, and Vladimir N. Litvinenko, Compensating effect of the coherent synchrotron radiation in bunch compressors, [Phys. Rev. ST Accel. Beams](#) **16**, 060704 (2013).
6. Y. Hao and V. Ptitsyn, Effect of electron disruption in the energy recovery linac based electron ion collider, [Phys. Rev. ST Accel. Beams](#) **13**, 071003 (2010).

(d) Selected Talks

1. Invited talk at EIC Accelerator Collaboration Meeting 2017, Upton, NY
2. Invited talk of International Computation Accelerator Physics Conference 2015, Shanghai, China
3. Invited talk of International Particle Accelerator Conference 2015, Richmond, VA Overview

- of eRHIC accelerator achievement and challenges,
4. Invited talk of ERL 2015, Stony Brook, NY
 5. Invited talk of Beam-beam workshop 2013, CERN, Geneva, Switzerland

(e) Synergistic Activities

1. Referee for DOE and APS journals.
2. Member of the Director's Advisory Council of US Partical Accelerator School.
3. Scientific committee member of 35th International Free Electron Laser Conference.