

Women

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|---------------------|----------|-------------------------|-----|------|
| 100 m | 11.36 | Alexandra Burghardt | GER | 2024 |
| 200 m | 23.24 | Anna Bongiorno | ITA | 2024 |
| 400 m | 52.19 | Amalie Iuel | NOR | 2017 |
| 800 m | 2:01.15 | Malin Hoelsveen | NOR | 2024 |
| 1500 m | 4:16.20 | Yolanda Ngarambe | SWE | 2016 |
| 3000 m | 9:31.10 | Silje Fjørtoft | NOR | 2017 |
| 5000 m | 15:19.83 | Viktoria Wagner-Gyürkés | HUN | 2024 |
| 10000 m | 32:38.85 | Annie Bersagel | USA | 2014 |
| 100 m hurdles | 13.66 | Tale Ørving | NOR | 2016 |
| 400 m hurdles | 55.77 | Elisabeth Slettum | NOR | 2022 |
| 3000m steeple chase | 9:54.94 | Julia Samuelsson | SWE | 2022 |
| High Jump | 1.90 | Erika Kinsey | SWE | 2018 |
| Pole Vault | 4.25 | Lene Retzius | NOR | 2016 |
| Long Jump | 6.46 | Nikola Harowska | POL | 2024 |
| Triple Jump | 13.32 | Miriyia Siney | UKR | 2022 |
| Hammer | 64.24 | Beatrice N. Llano | NOR | 2020 |
| Discus | 50.38 | Elin Isane | NOR | 2014 |
| Javelin | 62.42 | Sara Kolak | CRO | 2020 |

Men

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|---------------------|----------|---------------------|-----|------|
| 100 m | 10.22 | Jonathan Quarcoo | NOR | 2018 |
| 200 m | 20.66 | Jaysuma Ndure | NOR | 2016 |
| 400 m | 46.45 | Gustav L. Nielsen | DEN | 2022 |
| 800 m | 1:46.23 | Tobias Grønstad | NOR | 2022 |
| 1500 m | 3:43.27 | Senay Fissehatsion | ERI | 2016 |
| 3000 m | - | - | - | - |
| 5000 m | 13:19.65 | Henrik Ingebrigtsen | NOR | 2020 |
| 10000 m | 30:37.47 | Abraham Syum | NOR | 2014 |
| 110 m hurdles | - | - | - | - |
| 400 m hurdles | 50.04 | Karsten Warholm | NOR | 2016 |
| 3000m steeple chase | - | - | - | - |
| High Jump | 2.06 | Brede Raa Ellingsen | NOR | 2014 |
| Pole Vault | 5.30 | Jorge Luna | MEX | 2024 |
| Long Jump | 7.66 | Henrik Flåtnes | NOR | 2020 |
| Triple Jump | 16.01 | Adrian Swidersi | POL | 2019 |
| Hammer | 20.66 | Eivind Henriksen | NOR | 2022 |
| Discus | 68.58 | Fredric Dacres | JAM | 2019 |
| Javelin | 70.90 | Kasper Sagen | NOR | 2020 |