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| **Projekty schválené k dofinancování v roce 2019 v rámci EMPIR (5. výzva MŠMT) – kód 8B** |
| **Český metrologický institut, Okružní 31, 638 00 Brno (IČ: 00177016)** |
|   | **ID kód** | **Číslo projektu** | **Akronym projektu** | **Název projektu** | **Hlavní řešitel projektu** |
| 1. | **8B19001** | 18HLT04 | **UHDpulse** | Metrology for advanced radiotherapy using particle beams with ultra-high pulse dose rates | Ing. Jaroslav Šolc, Ph.D. |
| 2. | **8B19002** | 18HLT08 | **MEDDII** | Metrology for drug delivery |  Mgr. Jan Geršl, Ph.D. |
| 3. | **8B19003** | 18NRM02 | **PRISM-eBT** | Primary standards and traceable measurement methods for X-ray emitting electronic brachytherapy devices |  Ing. Jaroslav Šolc, Ph.D. |
| 4. | **8B19004** | 18NRM04 | **Heroes** | Determining new uncertainty requirements for increasingly strigent legislatice HCI industrial emissions limits |  Mgr. Jan Geršl, Ph.D. |
| 5. | **8B19005** | 18NRM06 | **NEWGASMET** | Flow metering of renewable gases (biogas, biomethane, hydrogen, syngas and mixtures with natural gas) | Ing. Tomáš Valenta |
| 6. | **8B19006** | 18SIB02 | **Real-K** | Realising the redefined kelvin |  Dr. Ing. Radek Strnad, Ph.D. |
| 7. | **8B19007** | 18SIB03 | **BxDiff** | New quantities for the measurement of appearance |  Dr. Ing. Marek Šmíd |
| 8. | **8B19008** | 18SIB05 | **ROCIT** | Robust Optical Clocks for International Timescales |  Mgr. Petr Křen |
| 9. | **8B19009** | 18SIB07 | **GIQS** | Graphene impedance quantum standard |  Ing. Jan Kučera, Ph.D. |
| 10. | **8B19010** | 18SIB08 | **ComTraForce** | Comprehensive traceability for force metrology services |  Ing. Lukáš Vavrečka, Ph.D. |
| 11. | **8B19011** | 18SIB09 | **TEMMT** | Traceability for electrical measurements at milimetre-wave and terahertz frequencies for communications and electronics technologies |  Ing. Martin Hudlička, Ph.D. |
| 12. | **8B19012** | 18SIB10 | **chipS-CALe** | Self-calibrating photodiodes for the radiometric linkage to fundamental constants | Dr. Ing. Marek Šmíd |
| 13. | **8B19013** | 18RPT02 | **adOSSIG** | Developing of infrastructure for improved and harmonised metrological check of blood-pressure measurements in Europe | Ing. Václav Sedlák |
| 14. | **8B19014** | 18RPT03 | **MetForTC** | Traceable measurement capabilities for monitoring thermocouple perfomance | Dr. Ing. Radek Strnad, Ph.D. |